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Australian Government

PCT/AU2004/001730

Patent Office  
Canberra

I, JANENE PEISKER, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003906900 for a patent by BARRY JOHN BRYAR as filed on 15 December 2003.



WITNESS my hand this  
Twenty-fourth day of December 2004

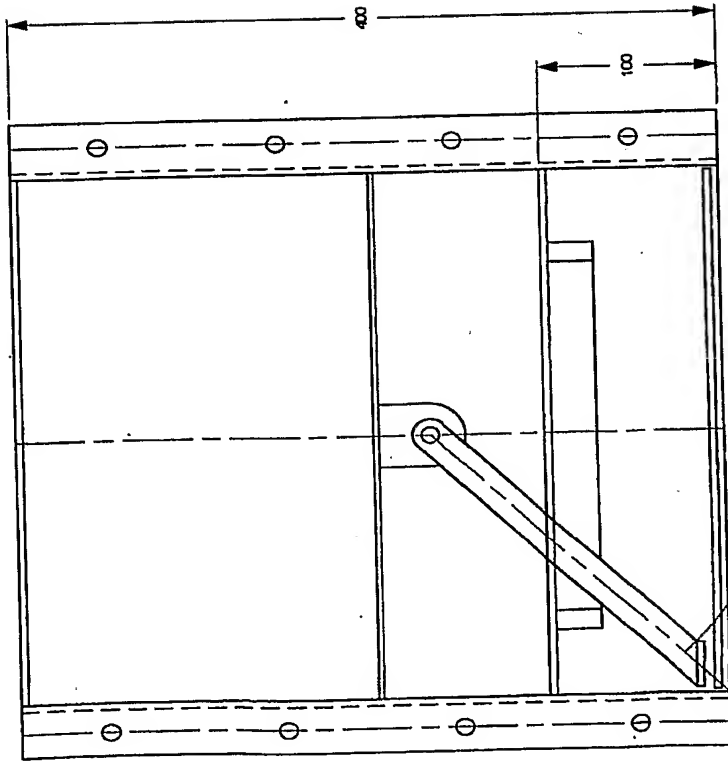
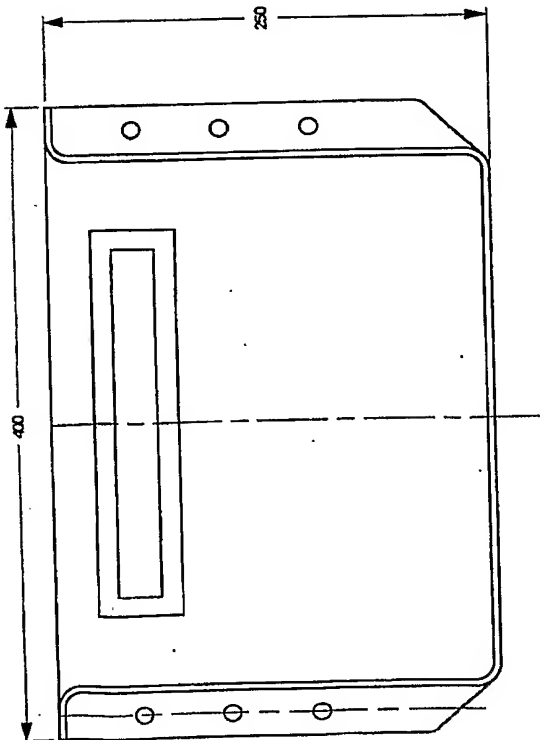
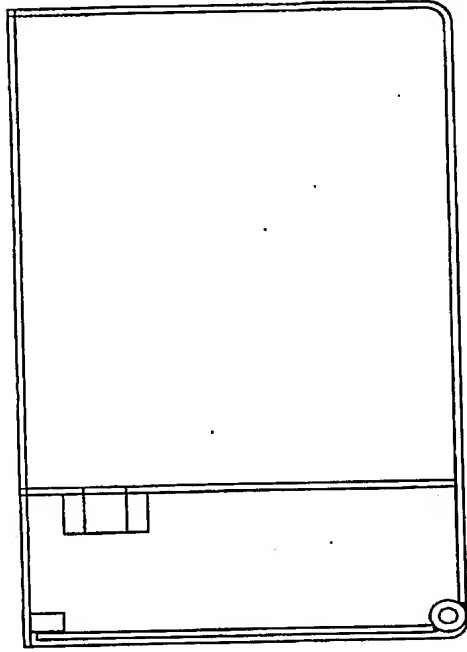
A handwritten signature in dark ink, appearing to read 'J. Peisker'.

JANENE PEISKER  
TEAM LEADER EXAMINATION  
SUPPORT AND SALES

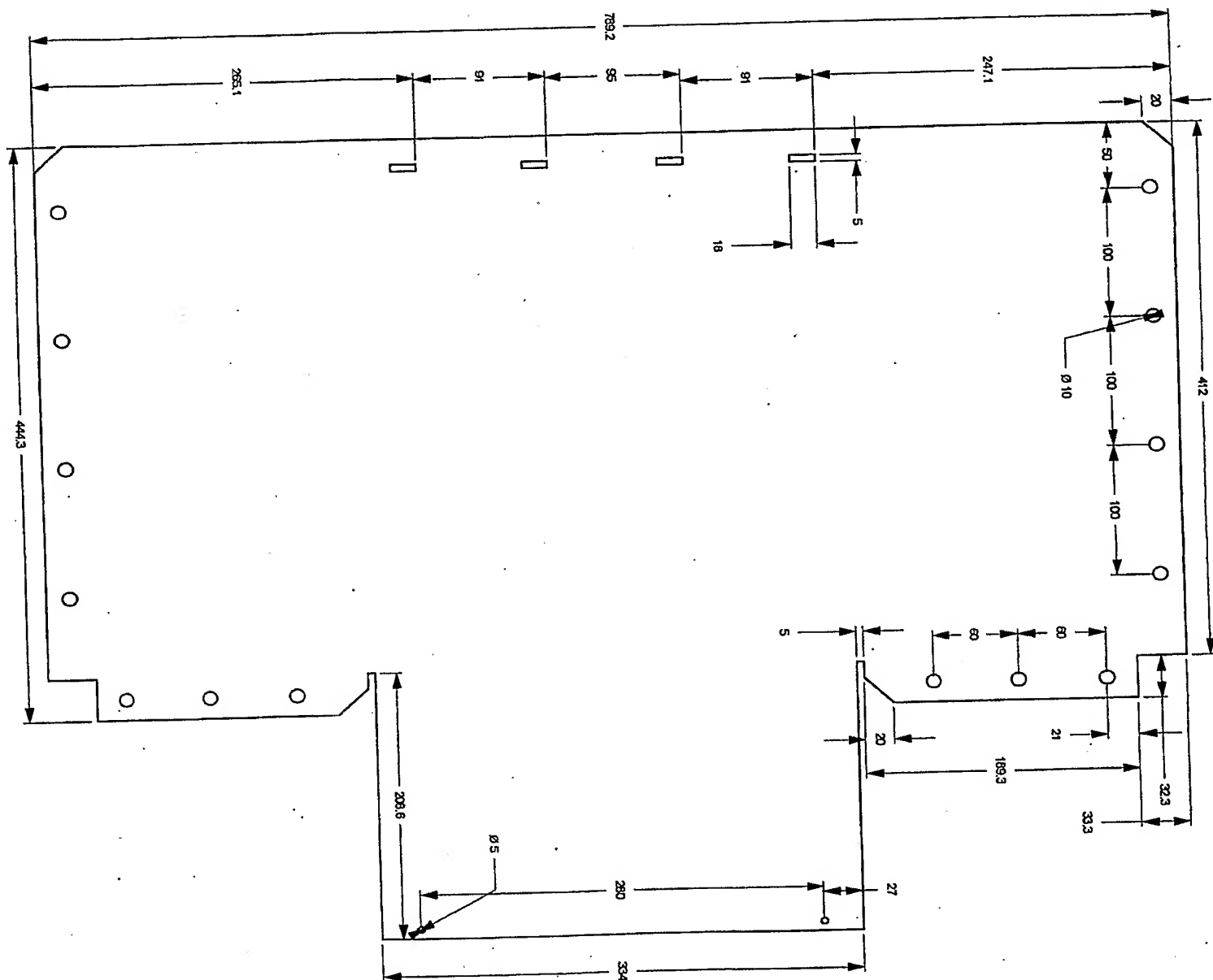
Below are some salient points relevant to the operation of the Trailer Isolator:

1. Pneumatic isolation valve [15] can be banked up in multiples. This allows for individual brake circuits [5] of the trailer being plumbed up making circuit bypassing more difficult.
2. It is possible to connect the two incoming lines [4] from the Prime Mover to several brake circuits, all with the exhaust [6] connected to the signalling device. The individual circuits to the brakes could also include several dummy-circuits which makes bypassing the Box almost impossible.
3. Vent the exhaust through an air-horn.  
An electrical pressure sensor can be fitted to the exhaust line to trigger an alarm, GPS or other radio-signalling device.
4. Removable top lid [1] for ease of manufacture and assembly. The lid is inaccessible once the box has been fixed to the trailer.
5. Hinges [11] in-line with the base of the box. This prevents the hinges being cut off or the lid [3] levered open.
6. Minimal clearance between the hinged front lid and Lever [9]. This prevents the lever from being turned in the event the box is cut open.
7. The Box is fixed to the trailer by welding in place or special security bolts through holes in the flanges on top of the case.
8. The Lever [9] is fitted with an electrical limit-switch [8] which closes a circuit and illuminates a light [7] when the Lever is closed. Alternatively a reflector mounted on the end of the Lever [9] and visible through a hole in the Front Lid can be used.

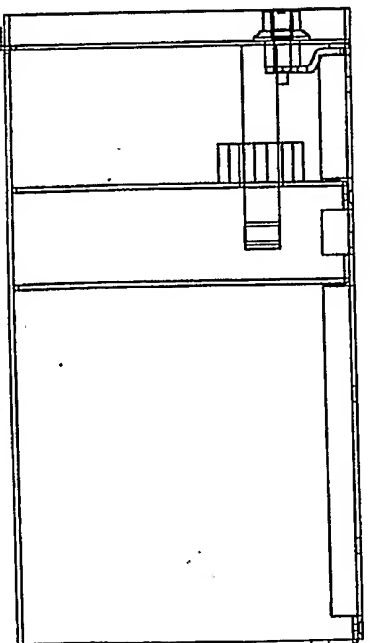
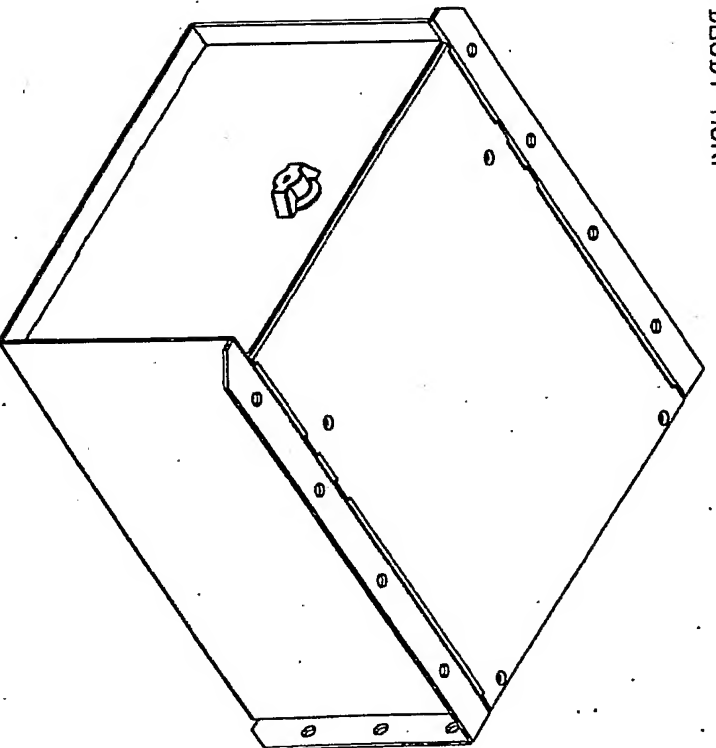
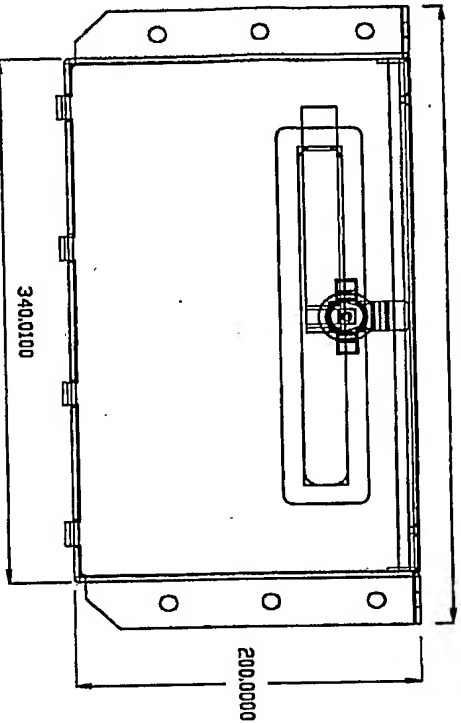
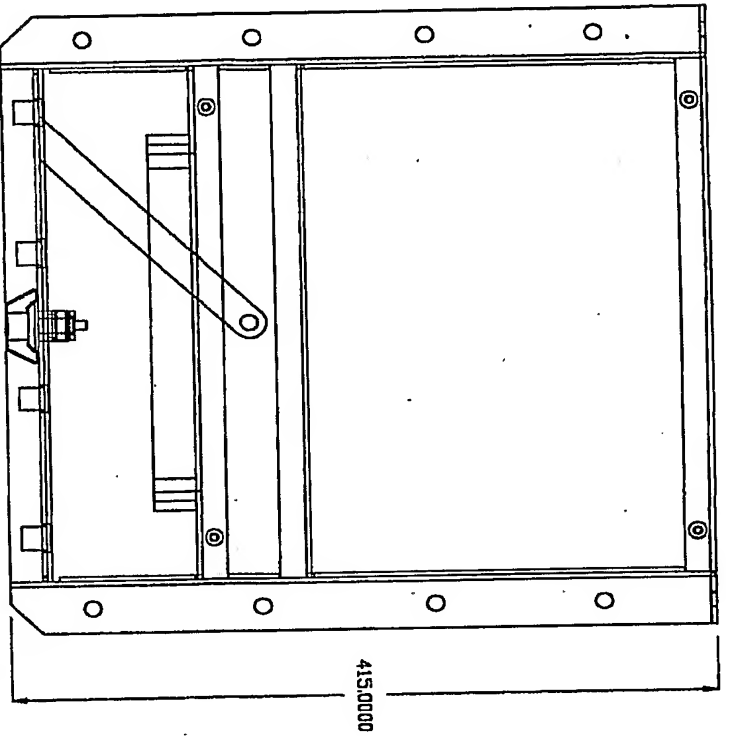
A3 #



m/f				Metal Forming Technologies LTD			
Date: 28-11-02		Trailer Isolator		Scale: 1:3		No: Box 1.vlm	
Drawn: H/W		A3					



DO NOT SCALE. IF IN DOUBT ASK!



REV	CHANGE DESCRIPTION	BY	DATE	CAD	DATE

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**UNLESS OTHERWISE STATED** MATERIAL: **304 STAINLESS STEEL**

**ALL DIMENSIONS IN MILLIMETRES**

**DRAWING LEGEND**

(M) = NOTE No	(L) = LINE	(T) = TOLERANCE	(B) = BOM
(R) = REV. No	(A) = ANGLE	(S) = SIZE	(D) = DIM
(I) = ITEM No	(F) = FINISH	(W) = WELD	(P) = PART

**LINE TOLERANCES:** DRAWING: ± 0.5mm, MANUFACTURE: ± 1.0mm

**ANGULAR TOLERANCES:** ± 0.5°

**DATE:** 10/01/2023

**BY:** J.R. & E. Watson

**CHKD:** J.R. & E. Watson

**DATE:** 10/01/2023

**TITLE:** METAL FIRING TECHNOLOGIES PTY LTD

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**REV. No:** A3

**DATE:** 10/01/2023

**FILE No:** Trailer Isolation Assy